F786 A1 D45

DESERT MAGAZINE PALM DESERT, CALIF.

## SEVENTEENTH VOLUME INDEX

JANUARY TO DECEMBER, 1954 Ca

Ca

Car Car Car Car

Cas Cas Chi Chi Chi Chi

Cla Cla Cle Clif Clif

Coa Coa Cof

Col

Cold Coo Coo Corr Corr Cov Coy Cror

Crot Crys Cust

Dead Dead 31 Dead Dead

Deat Ju DeC Deep Dehy De I Dela Dem Go De I

Dese Dese

Dese Dese Dese

Deso Diato

Dico

Dos Doub Doug Dun

Earth Echo Ma Eldor Emm

DEC

\_Nov p10 \_Nov p8 \_Jan p9

A	H
Air-conditioning Jul p6 Alpine, Ariz. Dec p21 Amargosa Desert, Calif. Mar p12 Amboy, Calif. Nov. p6 American Potash & Chemical Co. Jun p11	Ī
Amargosa Desert, Calif. Mar p12	1
American Potash & Chemical Co. Jun p11	
Anahoe Island, Utah Nov. p16 Andesite Apr p6	
AndesiteApr po Animal Life	
Antelope Dec p20	
Bear Dec p20 Beavers Oct p11	
Bighorn sheep Mar p4	
Beavers Oct p11 Bighorn sheep Mar p4 Burros Oct p23 Coyotes Feb p9, Sep. p26 Deer. Jul p31, Aug p33, Sep p22, Dee p20	
Deer Jul p31, Aug p33, Sep p22, Dec p20	
Descrit woodings	
Ground sloth Feb p5 Javelina Sep p24 Kangaroo rat May p19 Kit fox Apr p5, Mar p21 Mountain Lion Dec p20 Packrat Jan p26, Mar p21 Pocket mice Apr p5 Squirrels Dec p21 Wild horses Feb p20, Dec p6 Yellow-bellied porcupine Jul p14 Antiquities Act., U.S. Jan p13 Apache National Forest, Ariz. Dec p21 Apple Valley, Calif. Sep p15, Oct p14 Archeology—	
Kit fox Apr p5, Mar p21	
Mountain Lion Dec p20	
Pocket mice Jan p26, Mar p21	
Squirrels Dec p21	
Yellow-bellied porcupine Jul p14	
Antiquities Act., U.S. Jan p13	
Apple Valley, Calif. Sep p15, Oct p14	
Archeology—	
El Paso Gas Co. Pipeline Excavations Jan p13	
Mystery of the Vanished Gallinas Feb p16	
Cove Find near Lake Mond May n22	
Pre-Folsom Man Discovery Sep p32	
Argus Mts., Calif. Jun p10	
Pre-Folsom Man Discovery Sep p32 Architecture Jul p4 Argus Mts., Calif. Jun p10 Arizona Indian Commission May p29 Arizona, Sonora Desert Museum, Tucson Sep p22	
Sep p22	
Atwater, Jane, Author of—  Lost Wells-Fargo Gold  Apr p12  Legendary Lake of the Paiutes. Nov p14  Atwater, Jane and Adrian (Close-uss)	
Legendary Lake of the Paiutes. Nov p14	
Atwater, Jane and Adrian (Close-ups)  Apr p34, Nov. p25	
Apr p34, Nov. p25 Aylward, Dorothy Douglas, Author of—	
Life on the Desert Oct p20 Aztec Well, Calif. Oct p24	
В	
Racknacking Ian n4. Apr n14	
Backpacking Jan p4, Apr p14 Bagwell, Mary L., Author of—  The Lost Dutchman Mine—Jan pp18, 24 Bagwell, Mary L., (Close-ups)—Jan p24	
The Lost Dutchman Mine_Jan pp18, 24  Bagwell Mary I. (Close-ups) Jan p24	
Bagwell, Mary L., (Close-ups) Jan p24 Baker, Joseph Apr p8 Ball, Clinton C. Mar p12 Binnewies, Fred Jun p31	
Ball, Clinton C. Mar p12 Rinnewies Fred Jun p31	
Birds—Affracting, Aug p1/; Affzona Car-	
dinal, Sep p27, Arizona Blue Jay, Feb p9; Feeding, Sep p27; Broadtailed Humming- bird, July p14; Book-Review—Song Birds	
bird, July p14; Book-Review-Song Birds	
Sen p27: Canyon Towhees, Feb p10:	
Cormorants, Nov n15: Desert Quail, Feb.	
pp11, 12; Gray Titmouse, Feb p11; Hummingbird, Mar p23; Mountain Chickadee,	
Feb p12: Mourning Dove, Aug p18, Sep	
p27; Pelican, white, Nov p16; Poorwill, Nov p21; Ouail, Aug p18; Ravens, Jun	
p 11; Rocky Mt. Nuthatch, Feb p10; Sea	
Nov p21; Quail, Aug p18; Ravens, Jun p 11; Rocky Mt. Nuthatch, Feb p10; Sea Gull, Aug p23; Stephens Whippoorwill, Feb p12; Western Mourning Dove, Feb p11; Woodhouse Jay, Feb p11; Finch Rosy, Dec p8; Marsh Hawk, Dec p28; Roadrunner, Dec p27; Turkey, Dec p20.	
p11; Woodhouse Jay, Feb p11; Finch	
Roadrunner, Dec p27; Turkey, Dec p20.	
black Callyon Clock, Alle.	
Blackford, John L., Author of-	
Wings in the Desert Feb. p9	
Black Mts., Calif	
Black Rock Desert, Nev. Aug p25	T
Blue Range Mts., Ariz. Dec p21	T

Blue Range Wilderness Area, Ariz. Dec p21 Blythe, Calif. Sep p25 Bony Tail Fish May p31, Jul p27 Book Reviews—	7
Adams Ensel Death Valley Jul n43	F
Adolph, E. F. and Assoc., Physiology of Man on the Desert.  Nov p43 Anderson, Andy, How to Carve Characters in Wood Arrington, Leonard J., Orderville, Utah:	
A Pioneer Mormon Experiment in Eco-	•
nomic Organization Dec p47 Beebe, Lucius & Clegg, Charles, Legends of the Comstock Lode Dec p47 Benson, Lyman and Darrow, Robt, A.	-
Benson, Lyman and Darrow, Robt. A. The Trees and Shrubs of the Southwestern Deserts  Berton, Francis, A Voyage on the	
Browne, J. Ross, A Tour Through	•
Arizona, 1864 Apr p43 Browne, J. Ross, Explorations in Lower Calif. 1868 Aug p43 Burt, Olive W., Young Jed Smith,	
Westering Boy Apr p43 Clements, Lydia, The Indians of Death Valley Sep p43 Cohen, O. Roy, Borrasca Mar p43	
Cohen O Poy Rorrasca Mar p43	
Cosulich, Bernice, TucsonJan p43	
Counselor, Ann and Jim, Wild, Wooly and WonderfulOct p43	
Cummings, Byron, Indians I Have Known Aug p43	
Indians I Have Known Aug p43 Dockstader, Dr. Frederick J., The Kachina and the White Man. Nov p43	
Fenton, Carroll and Mildred.	
Our Changing WeatherJun p43 Ford Times,	
Ford Treasury of the OutdoorsJan p43 Fox, Maude,	
Both Sides of the MountainMay p43 Graham, Col. W. A., The Custer MythMar p43	
Commerce of the Prairies Dec p47 Grodzinski, Paul,	
Diamond Technology Aug p41	
Hayes, Jess G.,  Apache VengeanceOct p43  Houston, Eleanor Jordon,  Death Valley Scotty Told MeJun p43	
Death Valley Scotty Told MeJun p43 Jaeger, Ellsworth, Land and Water TrailsFeb. p43	
Mason, Miriam E.,	
The Major and His Camels Feb p43	
Mitchell, John D., Lost Mines and Buried Treasure Along the Old Frontier Jan p43	
Morss, Noel, Clay Figurines of the	
American SouthwestNov p43 Nadeau, Remi, The Ghost Towns	
of California Dec p47 Olin, George,	
Animals of the Southwest Desert Sep p43 Pough, Frederick H., Field Guide to	
Rocks and Minerals Feb. p43 Rennie, Ysabel, The Blue Chip Jul p43	
Ross, Edward S.,  Insects Close UpApr p43  Rountree Lester	
Rountree, Lester, Ronnie and Don Apr p43 Santee, Ross,	
Santee, Ross,  Lost Pony Tracks  Sierra Club of California, Going Light  with Backpack or Burro  May p43	
Sinith, Phil D.,	
Knots for Mountaineering Aug p43 Stewart, George, The Opening of the California Trail Oct. p43	
Storm, Barry, Thunder God's GoldSep p43	
Sunset Magazine, Sunset Western Garden Book May p43	
Terres, John K.,	
Songbirds in Your GardenMar p43 Tevis, Capt. James,	

INEV	DECEMBER, 1954
Apache Vengeance Treutlin, Theodore Pfefferkorn's Descri	E. (translator),
The North Annual Design	Sep p43
and Monuments of	ect, Utah es)Jul p43 ditor), National Parks UtahJun p43
Antoine Robidoux	willing, Sep p43
Lost Mines of Dear	th ValleyFeb p43
Botany— Bladder-pod	Sen n12
Bristlecone pines	Sep p12 Sep p31 Aug p15 Apr p4 Feb p20
Catsclaw	Aug p15
Chaparral	Feb p20
Cheese-weed	Sep D12
Cooper dyssodia	Sep p12 Sep p12
Croton	May p20
Desert mistletoe	Apr p42
Dropseed	May p20
Evening Primrose	Aug p20
Greasewood	May p20 Aug p20 Feb p20, Apr p4
Hackberry tree	Aug p10 Jul p14
Halogeton	Aug p32 ant Sep p12
Hole-in-the-sand-pla	nt Sep p12
Ironwood	May p20 Apr p4
Joshua tree	Ian n21
Inniper	Apr. np5. 16
Mesquite	Jun p11 Apr p4
Mojave beardtongu	e Oct p24 py Jun p26
Mojave desert pop	pyJun p26 Apr p5
Organ pipe cactus	Jun p4
Orocopia sage	Oct p24
Palm trees	Jan p10 Aug p10
Penstemon	Dec p6
Peyote	Aug p29 Nov p8
Porophyllu	Sep p13
Pygmy century plan	ntJul p14
Sage	Apr p16 Jun p28
Saguaro	Nov p22
Saltbush	Apr p4
Sand verbena	May p20 Apr p17
Stonecrops	Dec p7
Tamarisk	Oct pl0 Apr pl7
Turpentine bush	Sep pl1
Verbena	Sep p13
Wildflowers-	Sep p12
Feb p27, Mar	p16, Apr p6, May p10
Bear Gulch	Jan p29, Apr p5
Bighorn Sheep	Mar p4
Roundary Peak Nev	Dec n4
Bristlecone pines Bucksaum Toll Road Buena Vista Canyon,	1 Apr p6
Buena Vista Canyon,	Nev. May p5
Bullion Mts., Calif	Nov p6 Author of— Civilized Jun p4 Close-ups) Jun p18
They Wouldn't Be	Civilized Jun p4
Burdick, Clifford L. (	Close-ups) Jun p18
Burridge, Gaston, Au of Water for Deser	thor of—New Source
Burro-Flapjack Contes	st, Death Valley
Burroughs, Hulbert, Lake Mead Meets	Author of — Where
Lake Mead Meets	the ColoradoFeb p4
(	

Cabrias, Julian \_\_\_\_\_ Cady Mts., Calif. \_\_\_\_ Calico, Calif. \_\_\_\_

F786 A1 D45

DESERT MAGAZINE PALM DESERT, CALIF.

## SEVENTEENTH VOLUME INDEX

JANUARY TO DECEMBER, 1954 Ca

Ca

Car Car Car Car

Cas Cas Chi Chi Chi Chi

Cla Cla Cle Clif Clif

Coa Coa Cof

Col

Cold Coo Coo Corr Corr Cov Coy Cror

Crot Crys Cust

Dead Dead 31 Dead Dead

Deat Ju DeC Deep Dehy De I Dela Dem Go De I

Dese Dese

Dese Dese Dese

Deso Diato

Dico

Dos Doub Doug Dun

Earth Echo Ma Eldor Emm

DEC

\_Nov p10 \_Nov p8 \_Jan p9

A	H
Air-conditioning Jul p6 Alpine, Ariz. Dec p21 Amargosa Desert, Calif. Mar p12 Amboy, Calif. Nov. p6 American Potash & Chemical Co. Jun p11	Ī
Amargosa Desert, Calif. Mar p12	1
American Potash & Chemical Co. Jun p11	
Anahoe Island, Utah Nov. p16 Andesite Apr p6	
AndesiteApr po Animal Life	
Antelope Dec p20	
Bear Dec p20 Beavers Oct p11	
Bighorn sheep Mar p4	
Beavers Oct p11 Bighorn sheep Mar p4 Burros Oct p23 Coyotes Feb p9, Sep. p26 Deer. Jul p31, Aug p33, Sep p22, Dee p20	
Deer Jul p31, Aug p33, Sep p22, Dec p20	
Descrit woodings	
Ground sloth Feb p5 Javelina Sep p24 Kangaroo rat May p19 Kit fox Apr p5, Mar p21 Mountain Lion Dec p20 Packrat Jan p26, Mar p21 Pocket mice Apr p5 Squirrels Dec p21 Wild horses Feb p20, Dec p6 Yellow-bellied porcupine Jul p14 Antiquities Act., U.S. Jan p13 Apache National Forest, Ariz. Dec p21 Apple Valley, Calif. Sep p15, Oct p14 Archeology—	
Kit fox Apr p5, Mar p21	
Mountain Lion Dec p20	
Pocket mice Jan p26, Mar p21	
Squirrels Dec p21	
Yellow-bellied porcupine Jul p14	
Antiquities Act., U.S. Jan p13	
Apple Valley, Calif. Sep p15, Oct p14	
Archeology—	
El Paso Gas Co. Pipeline Excavations Jan p13	
Mystery of the Vanished Gallinas Feb p16	
Cove Find near Lake Mond May n22	
Pre-Folsom Man Discovery Sep p32	
Argus Mts., Calif. Jun p10	
Pre-Folsom Man Discovery Sep p32 Architecture Jul p4 Argus Mts., Calif. Jun p10 Arizona Indian Commission May p29 Arizona, Sonora Desert Museum, Tucson Sep p22	
Sep p22	
Atwater, Jane, Author of—  Lost Wells-Fargo Gold  Apr p12  Legendary Lake of the Paiutes. Nov p14  Atwater, Jane and Adrian (Close-uss)	
Legendary Lake of the Paiutes. Nov p14	
Atwater, Jane and Adrian (Close-ups)  Apr p34, Nov. p25	
Apr p34, Nov. p25 Aylward, Dorothy Douglas, Author of—	
Life on the Desert Oct p20 Aztec Well, Calif. Oct p24	
В	
Racknacking Ian n4. Apr n14	
Backpacking Jan p4, Apr p14 Bagwell, Mary L., Author of—  The Lost Dutchman Mine—Jan pp18, 24 Bagwell, Mary L., (Close-ups)—Jan p24	
The Lost Dutchman Mine_Jan pp18, 24  Bagwell Mary I. (Close-ups) Jan p24	
Bagwell, Mary L., (Close-ups) Jan p24 Baker, Joseph Apr p8 Ball, Clinton C. Mar p12 Binnewies, Fred Jun p31	
Ball, Clinton C. Mar p12 Rinnewies Fred Jun p31	
Birds—Affracting, Aug p1/; Affzona Car-	
dinal, Sep p27, Arizona Blue Jay, Feb p9; Feeding, Sep p27; Broadtailed Humming- bird, July p14; Book-Review—Song Birds	
bird, July p14; Book-Review-Song Birds	
Sen p27: Canyon Towhees, Feb p10:	
Cormorants, Nov n15: Desert Quail, Feb.	
pp11, 12; Gray Titmouse, Feb p11; Hummingbird, Mar p23; Mountain Chickadee,	
Feb p12: Mourning Dove, Aug p18, Sep	
p27; Pelican, white, Nov p16; Poorwill, Nov p21; Ouail, Aug p18; Ravens, Jun	
p 11; Rocky Mt. Nuthatch, Feb p10; Sea	
Nov p21; Quail, Aug p18; Ravens, Jun p 11; Rocky Mt. Nuthatch, Feb p10; Sea Gull, Aug p23; Stephens Whippoorwill, Feb p12; Western Mourning Dove, Feb p11; Woodhouse Jay, Feb p11; Finch Rosy, Dec p8; Marsh Hawk, Dec p28; Roadrunner, Dec p27; Turkey, Dec p20.	
p11; Woodhouse Jay, Feb p11; Finch	
Roadrunner, Dec p27; Turkey, Dec p20.	
black Callyon Clock, Alle.	
Blackford, John L., Author of-	
Wings in the Desert Feb. p9	
Black Mts., Calif	
Black Rock Desert, Nev. Aug p25	T
Blue Range Mts., Ariz. Dec p21	T

Blue Range Wilderness Area, Ariz. Dec p21 Blythe, Calif. Sep p25 Bony Tail Fish May p31, Jul p27 Book Reviews—	7
Adams Ensel Death Valley Jul n43	F
Adolph, E. F. and Assoc., Physiology of Man on the Desert.  Nov p43 Anderson, Andy, How to Carve Characters in Wood Arrington, Leonard J., Orderville, Utah:	
A Pioneer Mormon Experiment in Eco-	•
nomic Organization Dec p47 Beebe, Lucius & Clegg, Charles, Legends of the Comstock Lode Dec p47 Benson, Lyman and Darrow, Robt, A.	-
Benson, Lyman and Darrow, Robt. A. The Trees and Shrubs of the Southwestern Deserts  Berton, Francis, A Voyage on the	
Browne, J. Ross, A Tour Through	•
Arizona, 1864 Apr p43 Browne, J. Ross, Explorations in Lower Calif. 1868 Aug p43 Burt, Olive W., Young Jed Smith,	
Westering Boy Apr p43 Clements, Lydia, The Indians of Death Valley Sep p43 Cohen, O. Roy, Borrasca Mar p43	
Cohen O Poy Rorrasca Mar p43	
Cosulich, Bernice, TucsonJan p43	
Counselor, Ann and Jim, Wild, Wooly and WonderfulOct p43	
Cummings, Byron, Indians I Have Known Aug p43	
Indians I Have Known Aug p43 Dockstader, Dr. Frederick J., The Kachina and the White Man. Nov p43	
Fenton, Carroll and Mildred.	
Our Changing WeatherJun p43 Ford Times,	
Ford Treasury of the OutdoorsJan p43 Fox, Maude,	
Both Sides of the MountainMay p43 Graham, Col. W. A., The Custer MythMar p43	
Commerce of the Prairies Dec p47 Grodzinski, Paul,	
Diamond Technology Aug p41	
Hayes, Jess G.,  Apache VengeanceOct p43  Houston, Eleanor Jordon,  Death Valley Scotty Told MeJun p43	
Death Valley Scotty Told MeJun p43 Jaeger, Ellsworth, Land and Water TrailsFeb. p43	
Mason, Miriam E.,	
The Major and His Camels Feb p43	
Mitchell, John D., Lost Mines and Buried Treasure Along the Old Frontier Jan p43	
Morss, Noel, Clay Figurines of the	
American SouthwestNov p43 Nadeau, Remi, The Ghost Towns	
of California Dec p47 Olin, George,	
Animals of the Southwest Desert Sep p43 Pough, Frederick H., Field Guide to	
Rocks and Minerals Feb. p43 Rennie, Ysabel, The Blue Chip Jul p43	
Ross, Edward S.,  Insects Close UpApr p43  Rountree Lester	
Rountree, Lester, Ronnie and Don Apr p43 Santee, Ross,	
Santee, Ross,  Lost Pony Tracks  Sierra Club of California, Going Light  with Backpack or Burro  May p43	
Sinith, Phil D.,	
Knots for Mountaineering Aug p43 Stewart, George, The Opening of the California Trail Oct. p43	
Storm, Barry, Thunder God's GoldSep p43	
Sunset Magazine, Sunset Western Garden Book May p43	
Terres, John K.,	
Songbirds in Your GardenMar p43 Tevis, Capt. James,	

INEV	DECEMBER, 1954
Apache Vengeance Treutlin, Theodore Pfefferkorn's Descri	E. (translator),
The North Annual Design	Sep p43
and Monuments of	ect, Utah es)Jul p43 ditor), National Parks UtahJun p43
Antoine Robidoux	willing, Sep p43
Lost Mines of Dear	th ValleyFeb p43
Botany— Bladder-pod	Sen n12
Bristlecone pines	Sep p12 Sep p31 Aug p15 Apr p4 Feb p20
Catsclaw	Aug p15
Chaparral	Feb p20
Cheese-weed	Sep D12
Cooper dyssodia	Sep p12 Sep p12
Croton	May p20
Desert mistletoe	Apr p42
Dropseed	May p20
Evening Primrose	Aug p20
Greasewood	May p20 Aug p20 Feb p20, Apr p4
Hackberry tree	Aug p10 Jul p14
Halogeton	Aug p32 ant Sep p12
Hole-in-the-sand-pla	nt Sep p12
Ironwood	May p20 Apr p4
Joshua tree	Ian n21
Inniper	Apr. np5. 16
Mesquite	Jun p11 Apr p4
Mojave beardtongu	e Oct p24 py Jun p26
Mojave desert pop	pyJun p26 Apr p5
Organ pipe cactus	Jun p4
Orocopia sage	Oct p24
Palm trees	Jan p10 Aug p10
Penstemon	Dec p6
Peyote	Aug p29 Nov p8
Porophyllu	Sep p13
Pygmy century plan	ntJul p14
Sage	Apr p16 Jun p28
Saguaro	Nov p22
Saltbush	Apr p4
Sand verbena	May p20 Apr p17
Stonecrops	Dec p7
Tamarisk	Oct pl0 Apr pl7
Turpentine bush	Sep pl1
Verbena	Sep p13
Wildflowers-	Sep p12
Feb p27, Mar	p16, Apr p6, May p10
Bear Gulch	Jan p29, Apr p5
Bighorn Sheep	Mar p4
Roundary Peak Nev	Dec n4
Bristlecone pines Bucksaum Toll Road Buena Vista Canyon,	1 Apr p6
Buena Vista Canyon,	Nev. May p5
Bullion Mts., Calif	Nov p6 Author of— Civilized Jun p4 Close-ups) Jun p18
They Wouldn't Be	Civilized Jun p4
Burdick, Clifford L. (	Close-ups) Jun p18
Burridge, Gaston, Au of Water for Deser	thor of—New Source
Burro-Flapjack Contes	st, Death Valley
Burroughs, Hulbert, Lake Mead Meets	Author of — Where
Lake Mead Meets	the ColoradoFeb p4
(	

Cabrias, Julian \_\_\_\_\_ Cady Mts., Calif. \_\_\_\_ Calico, Calif. \_\_\_\_

1	
	California Fed. Mineralogical Societies
1	Feb p38, Mar p9, May p39
-	Death Valley CampgroundApr p27
1	On Desert Trails with a Naturalist
1	I—Campfires Apr p4 Letter: Fires Jun p27 Organ Pipe Cactus
-1	Letter: Fires. Jun p27
1	National Monument Area Dec n20
1	National Monument Area Dec p29 Schedule of Sierra Club Summer Trips Jun p33 Canyon Springs, Red Canyon, Calif. Oct p24
-1	Jun p33
1	Canyon Springs, Red Canyon, Calif. Oct p24
	Cargo Muchacho MountainsSep p18
	Carney, Clifton and Charlene Feb p24
-1	Carrizo Wash, Calif. Sep p19 Castle Dome Mts., Ariz. Apr p8
	Castle Dome Plain, Ariz. Apr p8
-1	Castle Dome Plain, Ariz. Apr p8 Cattle Springs, Nev. Jan p8
	Cave Hills, Calif. Jun p16
-	Chief Tecope Pointes Nov p12
- 1	Chocolate Mts. Calif. Ian n27
-	Christman, A. B., Author of—
	"Burro" SchmidtApr p7
	Chuckawalla Mountains Nov p21
	Cattle Springs, Nev. Jan p8 Cave Hills, Calif. Jun p16 Chase Creek, Ariz. Jul p19 Chief Tecopa, Paiutes Nov p12 Chocolate Mts., Calif. Jan p27 Christman, A. B., Author of— "Burro" Schmidt Apr p7 Chuckawalla Mountains Nov p21 Clark Mountain, Calif. Jul p13 Clark, Sen. Wm. Andrew Jul p14 Clemens, Sam (Mark Twain) May p7 Clifton, Ariz. Jul p19, Dec p18 Clifton, Henry Jul p19 Coachella Valley Mineral Soc. Mar p9 Coal Creek, Utah Oct p12 Cody, Buffalo Bill Nov p24 Coffey, Frank Oct p23 Collins, John Jan p10
	Clemens Sam (Mark Twein) May 7
	Clifton, Ariz. Jul n19 Dec n18
	Clifton, Henry Jul n19
	Coachella Valley Mineral Soc. Mar p9
	Coal Creek, Utah Oct p12
	Cody, Buffalo Bill Nov p24
	Coffey, Frank Oct p23
- 1	Coloredo Piver Feb nd Dec n20
- 1	Colt Samuel Apr p43
-	Compton, Mel (Close-ups) Mar p25
-	Cooking
	Coon Hollow, CalifMar p9
	Cooper dyssodia Sep p12
-1	Corn Springs Oct p24
	Cover Tom May p22
	Covotes Feb n9 Sen n26
-	Coffey, Frank Oct p23 Collins, John Jan p10 Colorado River Feb p4, Dec p29 Colt, Samuel Apr p43 Compton, Mel (Close-ups) Mar p25 Cooking Mar p10, Apr pp4, 16, 28 Coon Hollow, Calif Mar p9 Cooper dyssodia Sep p12 Corn Springs Oct p24 Coronado Trail, Ariz. Dec p18 Cover, Tom May p22 Coyotes Feb p9, Sep p26 Crompton, Bob (Close-ups) Jul p12 Crook National Forest, Ariz. Dec p20 Croton May p20 Croton May p20
- 1	Crook National Forest, Ariz. Dec p20
	CrotonMay p20
	Croton May p20 Crystal Creek, Utah Jan p6 Custer, Maj. Gen. Geo. A. Aug p12
	Custer, Maj. Gen. Geo. A. Aug p12
	. D
	Dead Horse Wells, Nev. Dec p14 Death Valley—Jan pp32, 42, Feb pp22, 23,
	Death Valley—Jan pp32, 42, Feb pp22, 23,
	31, Jul p10
	Death Valley Encampment—
	Jan p42, Feb pp22, 23, Mar p27
	Death Valley 49ers — Jan pp31, 42, Feb pp22, 23, Mar p27 Death Valley 49ers — Jan pp31, 42, Feb pp22, 23, Mar p27, Jun p42, Aug p31, Oct p14. Death Valley Scotty — Feb p25, Mar p42,
	Oct n14.
	Death Valley Scotty - Feb p25, Mar p42.
	Jun pp18, 42, May p23,
	DeCourcy, Dr. May p23 Deep Creek, Utah Jan p6
	Deep Creek, Utah Jan p6
	Dehydrated Food Dec p6 De La Mar, Capt. John Jan p22
	Delamar, Nev. Jan p20
	Delamar, Nev. Jan p20 Deming, Oscar, Author of—
	Government Sheen Herder Mar na
- 1	De Niza, Fray MarcosMar p4
	Desemboque, Mexico Jun p4
	De Niza, Fray Marcos Mar p4 Desemboque, Mexico Jun p4 Desert Climate Aug p20, Sep p25 Desert Homes Jul p4 Desert Living Jul p4, Aug p20
	Desert Living Jul p4 Aug p20
	Desert travel ADI DZA
	Desolation Canyon Utah Oct n9
	Diatoms Aug p37
	Dicoria May p20 Dos Palmas Sep p18
	Double Circle Ranch, Ariz. Dec p21
	Douglas, Ariz. Dec p21
	Douglas, Ariz. Dec p25 Dun Glen, Nev. May p8
	E
	Earthquake Valley Nov p10 Echo Park Dam—Jan p33, Feb pp4, 33, Mar p31, Apr p27, May p33, Aug p42 Eldorado Canyon, Nev. Sep p25 Emmons, Glenn L. Jul p9
	Echo Park Dam—Jan p33, Feb pp4, 33,
	Fidorado Capyon Nev
	Emmons, Glenn I. Jul 20
	July 27

TO 1954

. p43

p p43

P43
Parks
1 p43
P p43
P p43
P p43
P p43
P p12
P p13
P p13
P p14
P p16
P p17
P p11
P p13
P p12
P p17
P p11
P p13
P p12
P p13
P p13
P p14
P p15
P p17
P p17
P p11
P p13
P p12
P p13
P p13
P p14
P p15
P p16
P p17
P p16
P p17
P p17
P p18
P p18
P p19
P p18
P p19
P

Jun p4 un p18 Source pr p18

an p12 Where Feb p4

ov p10 Nov p8 Jan p9

ZINE

Erickson, Carl, Author of—  Don't Blame the Ranchers  Ernst, Mr. and Mrs. Clarence	Con -25
Ernst, Mr. and Mrs. Clarence	Sep p25
F	
Fairview Range, Nev.	Dec p14
Fairview Range, Nev. Fall, J. C. Farnsworth, Dr. Read Faulhaber, Charles E. Fig Tree John Fish May p31, Jun p31	May p8
Farnsworth, Dr. ReadFaulhaber, Charles E.	Mar p9
Fig Tree John	Jan p11
Flagstaff, Ariz.	Jul p2/
Forbes, W. J.	May p7
Flagstaff, Ariz. Forbes, W. J. Fort Union, Texas Fossils—Jan p11, Sep p31, Oct p30, Dec pp31, 32 Franciscan Order	n32. Nov
p30, Dec pp31, 32	Y 20
	Jan p28
G	
Gadsden, Jas Gadsden Purchase Gallenkamp, Charles, Author of— Mystery of the Vanished Gallina Raphael's Last Deer Dance	Mar pl3
Gallenkamp, Charles, Author of-	
Mystery of the Vanished Gallina Raphael's Last Deer Dance	May n11
Gallina R., N. M.	Feb p17
Gamble, Dr. William	Dec p29 Sep p19
Raphael's Last Deer Dance Gallina R., N. M. Gamble, Dr. William Gavilan Wash, Calif. Gem and Minerals (Collecting Are Castle Dome Plain, Ariz. Coon Hollow, Calif. Eldorado Canyon, Nev. Gem Hill, Rosamond, Calif. Hauser Beds, Calif.	as)—
Coon Hollow Calif	Mar po
Eldorado Canyon, Nev.	Aug p12
Gem Hill, Rosamond, Calif.	Oct p16
Limestone Gulch, Ariz.	Jul p18
Hauser Beds, Calif. Limestone Gulch, Ariz. Pisgah Crater, Calif. Potato Patch, Calif. Travertine Point, Santa Rosa M	Nov p5
Travertine Point, Santa Rosa M	ts., Calif.
Twin Buttes, Calif. Whipple Mts., Calif. Wiley Well, Calif. Gems and Minerals (Specimens)—	Jan p10
Whipple Mts., Calif.	Jun p13
Wiley Well, Calif.	Mar p9
Apr p8, Mar p10, Aug p12,	Dec p29
Andesite Chalcedony Nov p17,	Dec p15
Chalcedony roses Crystal clusters	Aug p12
Diatoms	Aug p12
Diatoms Garnets Geodes, Calcite	Jan pl1
Jade	Oct p35
Jasper—Apr p8, Jun p13, Jul p18	8, Nov p5,
Dec p14 Moss Agate	Nov p17
Moss Agate Petrified palm root Petrified wood Apr p8, Plasma-agate Quartz monzonite Sandapikes	Apr p8
Plasma-agate Apr ps,	Oct p16
Quartz monzonite	Oct p17
Sandspikes Geology Jun p10, Gerke, Margaret (Close-ups)	Nov p17
Gerke, Margaret (Close-ups)	Oct p21
Calico Calif	Jan p9
DeLamar, Nev. Dun Glen, Nev. Gila Bend, Ariz. Hesperia, Calif. Jul p31, Aug	Jan p20
Gila Bend, Ariz.	Sep p25
Hesperia, Calif. Jul p31, Aug	pp9, 33
Unionville, Nev.	Jul p20
Gilbert, G. L.	Jan p7
Metcair, Ariz. Unionville, Nev. Gilbert, G. L. Goldpanning Gold Rock Ranch, Calif. Aug p17 Goodwin, T. R. Goulding, Harry Granite Well, Calif. Gray Canyon, Utah Green River, Utah	Sep p18
Goodwin, T. R.	Feb p31
Granite Well. Calif.	Oct p23
Gray Canyon, Utah	Oct p14
Green River, Utah	Feb p5
Н	
Haile Fr Rerard	Jun p32
Hall, Dr. Harvey	Oct p24
Hall, Dr. Harvey Halogeton Hanus, Charlie and Nell Hard Rock Shorty of Death Valley	Jan p8
Hard Rock Shorty of Death Valley	anak ia
Harris, Shorty	Jul p17
Hazen, Guy	Jan p10

Head, Alton Feb p14 Henderson, Randall, Author of—
Old Indian Waterhole Jan p10 Field Day at Coon Hollow Mar p9
Boatride in Desolation CanyonOct p9
We Climbed an Old Volcano
Highways and roads, trash along— Jan p28, Feb p42, Mar p21, Apr p31
Hiking—Jan pp4, 28, Feb p42, Mar p21, Apr pp14, 31
Apr pp14, 31 Hoge ferry landing Sep p18 Hole-in-the-rock Spring, Death Valley
Hole-in-the-sand-plant  Jul p17  Jun p22  Hole-in-the-sand-plant  Sep p12
Homesteading
Tract opened at Twentynine Palms
Apr p32 Life on the Desert Apr p17 Apple Valley homesteaders, editorial
Cabin on Lizard Acres Sep p15 Five Acres of Desert Freedom Oct p4 Hoover Dam Mar p23 Horses, wild Feb p20 Hot Weather, Jokes about Jul p24 Hunter, Bev Apr pp14, 16
Five Acres of Desert Freedom Oct p4
Horses, wild Feb p20
Hot Weather, Jokes about Jul p24 Hunter, Bey Apr pp14, 16
<b>1</b>
Imperial Gables Sep p19
Administration of Jul p9 Arts and Crafts Jan p17, May p32 Ceremonials—records of Indian chants
Ceremonials—records of Indian chants  Apr pp27, 29  All-Indian pow-wow, Flagstaff—Jul p15; Navajo's Blessing Way, May p29, Jul p29; Pueblo Deer dance, May p11; Smoki
Navajo's Blessing Way, May p29, Jul p29;
dances, Aug p42; Hopi Snake dance, May
p28, Aug pp4, 42 Education Jun p32, Oct. p20
Food Aug p6
dances, Aug p42; Hopi Snake dance, May p28, Aug pp4, 42 Education Jun p32, Oct. p20 Food Aug p6 Health — Jan p29, Apr p29, May p29, July p29, Aug p29 Legends Jul p17, Aug p5, Nov p15
Legends Jul p17, Aug p5, Nov p15 Pictographs Mar p7, Jul p42 Prehistoric Jan p15, Feb pp16, 32 Tribes—Cahuilla, Jan p11; Chemehuevi,
Tribes—Cahuilla, Jan p11; Chemehuevi,
p17, Aug p4; Navajo, Jan p29, Apr p25,
Jun p14; Havasupai, Jul p29; Hopi, Jan p17, Aug p4; Navajo, Jan p29, Apr p25, Jul p10; Paiute, May p31; Nov pp12, 15; Pueblo, May p11; Seri (Mexico), Jun p4; Ute, Oct p10, Dec p31
Ute, Oct p10, Dec p31
Indian rice May p20
Indian traders Aug p19 Insects—
Black Widow Bites, Antivenom Dec p29 Book review Insects Close Up. Apr p43
Book review Insects Close UpApr p43 Mormon crickets Aug pp23, 33 Pincente heatles May p20
Pinacate beetles May p20 Tent caterpillars Aug p14 Ives, Lt. Joseph C. Jun p14, Aug p12
I Manual I
Jacumba, Calif. May p31 Jaeger, Edmund C., Author of—
Desert Campfires, Apr p4; II—Exploring the Kelso Dunes, May p 19; III—Giant Steeples of Lime, Jun p10; IV — Clark Mountain Wonderland, Jul p13; V—The
Mountain Wonderland, Jul p13; V—The
Ghost that Refuses to Die, Aug p9 Desert Plants You Can Tell by Their
Bird that Sleeps all Winter Nov p21
Burro Man of Corn Springs Oct p23
Clown of the Wastelands Dec p27 Jaeger, Edmund C. (Close-ups)—
Johnnie Mine, Calif. Mar p5, Nov p25  Mar p12
Feb p26, Mar p5, Nov p25 Johnnie Mine, Calif. Mar p12 Johnson, Albert M. Feb p25, Jun p4 Johnson, Jill Apr p16 Jones, Raymond Smith and Adell, Authors of—Last Wagon Through the Hole-in-the- Rest Park 1989
Jones, Raymond Smith and Adell, Authors
of—Last Wagon Through the Hole-in-the- Rock Jun p22
•

Jones, Adell (Close-ups)Jun p18	Jun p14; Wiley Well, Mar p11.	PetroglyphsNov p17
Joshua Tree National Mon., Calif.	Mexico—Tiburon Island, Sonora, Jun p6.	Peyote Aug p29
Jun p42, Nov p26	Nevada—Delamar Ghost Town, Jan p2;	Peyote Aug p29 Phelps-Dodge corp. Mar p19, May p42
Joy, Ella Brison, Author of— Life on the Desert May p21	Desert Game Range, Mar p4; Eldorado Canyon, Aug p13; Unionville, May p6.	Phoenix, Ariz. Sep p25 Phoenix Dons Mar p19, May p42
Joy, Ella Brison (Close-ups) May p28	New Mexico-Gallina Indian Ruins, Feb	Photography (contest winners)—
Julian Parra Wash, Calif. Sep p19	p18; Boundary Peak, Dec p6; Fairview	Adrian Atwater, Keith Willey Jan p9
K	Valley Gem Hunting Section, Dec p16. Utah—Zion National Park, Jan p6; Pyr-	Adrian Atwater, Willard Luce Feb p15 Hulbert Burroughs, Willard Luce Mar p23
Keeney, Jim Feb p14	amid Lake, Nov p16.	Adrian Atwater,
Kehama Mine, Nev. Jan p8	Maps, Gadsden Purchase Mar p14	Nicholas N. Kozloff
Kelly, Douglas E., Author of— Scaling the Ship of the Desert Sep p5	Mariachis Dec p25 Martinez, Maria Jul p33	Clinton L. Hoffman, Hubert A. Lowman May p4
Kelly, Douglas E. (Close-ups) Sep p28	Mather Point, Grand Canyon Jan p29	Harry Vroman, Valdis AvotsJun p21
Kelso Dunes, Calif. May p19	Mattress, plastic air Dec p5	Clinton L. Hoffman, Willard Luce Jul p23
Kelty Pack Apr p16 Kennedy, Jessie, Author of—	Medina, Raphael May p11 Meeker, Ezra Feb p21	Andrew Crofut, Alexander Wiederseder Aug p2
Mexican Christmas at Douglas Dec p25	Metcalf, Ariz. Jul p20, Dec p20	Willard Luce,
Kerley, Joe, Author of—	Midway Well, Calif. Sep p20	Dr. J. Robert Lindsay Sep p4
Navajos I Have Known Apr p25 Kershaw Canyon State Park, Nev. Jan p20	Miller, Dr. Alden Jul p14 Mining—	L. R. Fantozzi, Nicholas N. Kozloff Oct p15
Keynot Mine, Calif. Apr pp14, 16	American Girl Mine, Calif. Sep p18	Dick Randall,
Keynot Peak, Calif. Apr p14	Hedges Mine, Calif. Sep p18	Henry P. Chapman Nov p23
Knight, Harry Nov p24	Mesquite Diggings, Calif. Sep p18 Nevada Scheelite Mine Dec p14	Robert J. Bochek, Nicholas N. Kozloff Dec p24
L	Tropico Gold Mines, Calif. Oct p16	Photography (covers)—
Labbe, Chas. H. Mar p12	Tumco Gold Mines, Calif. Aug p17	Daughters of the Nile
Lake Lahonton, prehistoric, Utah Nov p17	Uranium Oct p18, Dec p17	Chuck Abbott Jan
Lake Mead, Nev. Feb p4 Langley, Dama, Author of—	Mitchell, Ray C. Jan p41 Mogollan Rim, Ariz. Dec p20	Beavertail Cactus in Bloom, Ralph Cornell Feb
Indians' Choice in WashingtonJul p9	Mollusks Nov n18	Bryce National Park, Utah.
Revolt Against Ancient Gods Aug p4	Molina, Juan Jun p4	Robert J. Morris
Lapidary— Amateur Gem Cutter, by Lelande Quick	Molina, Juan Jun p4 Mona Tank, Calif. Sep p20 Mono Craters, Calif. Jun p31 Monument Peak, Calif. Jun p14	Come and Get It, Josef Muench
each issue	Monument Peak, Calif. Jun p14	Ped Walls Pushing Water
Dopping Jan p41, Mar p41 Sanding Jun p41	Moomaw, Jack C., Author of—	Esther Henderson Jun
I Made a Vase of Jade Oct p35	I Made a Vase of Jade Oct p35 Mopah Peak, Calif May p15	Kofa Palm Canyon, Chuck AbbottJul Navajo Sandpainting, Josef Muench Aug
Tumbling gems Mar n32	Morenci, Ariz. Jul p18	Deer at a Desert Water Hole,
Las Posadas Dec p25 Las Vegas, Nev. Sep p25	Mormons Jun p22, Aug p23	Lewis W. Walker Sep
Las Vegas, Nev. Sep p25 Laudermilk, Jerry Feb p5	Mt. Baldy Wilderness Area, Ariz. Dec p21 Mountain climbing—	Prospecting on the Rio Grande
Lavic, Calif. Nov p7	Apr p42, Sep p5, Dec p4	Prospecting on the Rio Grande, Josef Muench Nov
Leadabrand, Russ, Author of—	Mueller, E. J., Author of—A Tumbling	Indian Watch Tower at Grand Canyon,
Lost Gold of Indian Gully Nov p10 Leadabrand, Russ (Close-ups) Nov p25	Mill for the Amateur Mar p32 Mueller, E. J. (Close-ups) Mar p25	Carlos Elmer Dec Pictographs Nov p26
Lederer, Gus Oct p23	Mulligan Peak, Ariz. Jul p21	Pillsbury, Dorothy, Author of—Bulldozers
Lederer, Muriel, Author of — Uncle Sam	Murbarger, Nell, Author of—	Followed the ArcheologistsJan p13
Bought a Cactus Garden Mar p13 Lederer, Muriel (Close-ups) Mar p25	Golden Ghost of the Nevada Hills Jan p20	Pilot Knob, Calif. Jun p12 Pinnacles National Mon., Calif. Jun p10
Lee, Betty, Author of—	Nevada Ghost Town Where the School	Pisgah Crater, Calif. Nov p5
Cabin on Lizard Acres Sep p15	Bell Still Rings	Pond, Alonzo W., Author of—Increased
Leigh, Randolph Jan p31 Leonard, Melvin and Martha May p6	Josie Pearl, Prospector on Nevada's Black Rock DesertAug p25	Comfort and Efficiency in Summer HeatAug p20
Lesure, Thos. B., Author of—	Murbarger, Nell (Close-ups) May p28	Pond, Alonzo W. (Close-ups) Aug p20
Trek for Lost Gold	N	Porter, Willard H., Author of—
On the Trail of Coronado Dec p18 Lilly, Ben Feb p20	Navajo Center, Ariz. Apr p8	He Rode with Buffalo BillNov p24 Potato Patch, CalifMar p9
Limestone Gulch, Ariz. Jul p18	Needles, Ariz. Sep p25	Powell, Major John Wesley Oct p9
Lockwood, Charles Ballou, Author of -	Needles, landmark, Utah Nov p17 Newberry, Dr. J. S. Aug p12	Pratt, Helen, Author of—
Why Utah Loves the Sea Gull Aug p23 Lockwood, Charles Ballou (Close-ups)	Nusbaum, Dr. Jesse Jan p13, Sep p13	Life on the Desert Feb p24 Pratt, Helen (Close-ups) Feb p26
May p28	0	Price, Edna, Author of—The 'Other People'
Lost Mines May p15, Jul p27	Oatman MassacreJun p29	Who Come to the Waterholes Jul p16
Lost Arch Mines May p15, Jul p27 Lost Black Mesa Placer Oct p27	Oliver, Harry, Author of—	Primary water Apr p18, Jun p28 Promontory, Utah Dec p32
Lost Cement Mine Jun p19	Let 'Er Blow Mar p18 120° in the Shade Jul p24	Pyle, Ernie Aug p25
Lost Dutchman Mine	Orderville Creek, Utah Jan p5	Pyramid Lake, Nev. Nov p14
Lost Gold of Indian Gully Nov p10	Oriflamme Mountains, Calif. Nov p10	Q
Lost Mule Shoe Gold	Orocopia sage Oct p24 Osborn, Margaret, Author of—	Quartz monzonite Oct p17
Lost Pegleg Mine May p22	Robber Rat of the DesertJan p26	Quick, Lelande, Author of— Amateur Gem Cutter——each issue
Lost Sewing Basket Mine Feb p14 Lost Wells-Fargo Gold Apr p12	Osdick, Pete Apr p7	Amateur Gem Cuttereach issue
	Ouray, UtahOct p10	R
M	P P F T T Y T T T T T T T T T T T T T T T T	Rainbow Natural Bridge Sep p13
Madonna of the Trail Monument, ArizDec p21	Pace, Frank and Vilate Jan p20 Pachalka Springs, Calif. Jul p13	Rainmaking May p32 Rampart Cave, Ariz. Feb p5
Madrid, N.M. Jun p32	Painted Rock Dam, Ariz. Sep p29	Ranch 4S, Calif. Sep p18
Maps—	Painted Rock Dam, Ariz. Sep p29 Palm Springs Tramway, Calif. Jun p29	Ransom, Jay Ellis, Author of—
Arizona—Castle Dome Plain, Apr p8; Clifton-Morenci area, July p19; The Co-	Patton, Gen. George Apr p31, Jul p31 Pearl, Josie Aug p25	Petrified Flotsam Along the Colorado Apr p8
ronado Trail, Dec p20	Pegleg Liar's ContestMar p27	Gem Hill on the MojaveOct pl6
California—Earthquake Valley, Nov p10;	Pegleg Well, Calif. Jan p27	Ransom, Jay Ellis (Close-ups) Oct p21
Clark Mt., July p13; Kelso Dunes, May p20; Keynot Peak, Apr p14; Lost Mule	Perceval, Don (Close-ups) Nov p25 Peterson, Catherine Venn, Author of—	Rattlesnake Creek, Utah Oct p14 Reavis, E. A. Jan p18
Shoe Gold, Sep p20; Pisgah Crater, Nov.	Five Acres of Desert Freedom Oct p4	Reclamation—
p6; Pinnacles Nat. Monument, June p12;	Petrasch, Herman Jan p18, Jun p27	New Source of Water for Desert
Stein's Rest Oasis, Jan p11; Whipple Mts.,	Petrification Apr p10	Lands Apr p18

Rei Rei Rej

Roa Roa Roa Roa Ros

Sali Salt Salt

San Sch Scot Selv L Shat

Shep L Ship Shor Sier Smi A

Smit Smit Smit Smit Smit Snai Snak Sono

Span Spell Split Squa Squa

Stage Bu Ol Stahr

Stenr Strob Lij Strob Super Sutcli

Taylor Jas Temp Thom Life

Thom Thord Los

Toles, We Toles, Trail's Trave Trona

Troy Tucso Turpe Turtle

DEC

Imperial Valley, east mesa Sen n31
Imperial Valley, east mesa Sep p3 Wellton-Mohawk Sep p29 Red Cloud Mine and Springs Oct p24 Reiss, Stephen Apr p18, Jun p28, Nov p42
Red Cloud Mine and Springs Oct p24
Reptiles—
Reptiles— Chuckawallas Jul p23 Collared lizard Feb p24 Rattlesnakes — Jan p27, Mar pp21, 22 May p28, Jul p27 Snake-bite treatment Nov p26 Tortoise Nov p7 Roadside parks Jan p28, Feb p21 Rock Creek, Utah Oct p12 Rock Springs, Ariz. Oct p27 Rose Peak, Ariz. Dec p18
Rattlesnakes — Ian p27 Mar pp21 22
May p28, Jul p27
Snake-bite treatment Nov p26
Roadside parks Jan p28. Feb p21
Rock Creek, Utah Oct p12
Rock Springs, Ariz. Oct p27
S S
Saline Valley, Calif. Nov p12
Salt Creek Wash, Calif. Oct p24
Santa Clara pueblo, N.M. May p11
Schmidt, Wm. H., "Burro". Apr p7, May p31
Scott, Walter (see Death Valley Scotty)
Life on the Desert Jul p25
Saline Valley, Calif. Nov p12 Salt Creek Wash, Calif. Oct p24 Salton Sea, Calif. Mar p29, Nov p29 Santa Clara pueblo, N.M. May p11 Schmidt, Wm. H., "Burro" Apr p7, May p31 Scott, Walter (see Death Valley Scotty) Selvas, Carita, Author of— Life on the Desert Jul p25 Shafer Trail, Utah Mar p31 Shepherd, Shep, Author of— Lost Ledge of Mammoth Canyon Jun p19 Shiprock, N.M. Sep p5
Lost Ledge of Mammoth Canvon Jun p19
Shiprock, N.M. Sep p5 Shoshone, Johnny Jul p16 Sierra Club of Calif.
Shoshone, Johnny Jul p16
Apr p14, May p15, Jun p33, Dec p4
Apr p14, May p15, Jun p33, Dec p4 Smith, Cap and Olga, Authors of — Birds
Are Welcome at Gold Rock Ranch Aug p17
Smith, Cap and Olga (Close-ups) Aug p16 Smith, Lloyd Mason Jan p42, Mar p5 Smith, Pegleg May p22 Smith, Pricilla Jun p29 Smith, Shina Aug p42
Smith, Lloyd Mason Jan p42, Mar p5
Smith, Pricilla Jun p29
Smith, Shine Aug p42
Smith, Stanford and Arabella Jun p22
Snake-bite Treatment Oct p26
Soledad, Rosamond, Calif. Oct p16
Spanish windlass Apr p28
Spell, Les Jan p12, Feb p22
Splitter, Henry Winfield May p22
Smith, Pricilla Jun p29 Smith, Shine Aug p42 Smith, Stanford and Arabella Jun p22 Snails Jul p14 Snake-bite Treatment Oct p26 Soledad, Rosamond, Calif. Oct p16 Sonovia natural water tank Sep p20 Spanish windlass Apr p28 Spell, Les Jan p12, Feb p22 Splitter, Henry Winfield May p22 Squaw boots Jan p17 Squaw and Her Basket, landmark, Utah Nov p15
Nov p15
Nov p15 Stage Routes— Butterfield Route, Calif. Nov p10
Old Bradshaw or Chuckawalla Trail.
Calif. Sep p20 Stahnke, Dr. Herbert L. Oct p26
Stein's Rest Oasis, Calif. Jan p10 Stenmark, Dick (Close-ups) Sep p28
Stenmark, Dick (Close-ups) Sep p28
Stevens, Ed Mar p27 Strobel, Lee, Author of—
Life on the Desert
Strobel, Lee (Close-ups) Apr p34 Superstition Mountains, Ariz.
lon nly Mar nlu
Sutcliffe Stage Coach stop Nov p17
Taylor, Fenton, Author of—
Taylor, Fenton, Author of—  Jasper in Limestone Gulch Jul p18  Temple of Sinawava, Utah Jan p4  Thompson, Louis Switzer, Author of—  Life on the Desert Mar p17  Thompson, Louis Switzer (Close-ups)  Mar p25
Temple of Sinawaya, Utah Jan p4
Life on the Desert
Thompson, Louis Switzer (Close-ups)
Thoroman, E. C. Author of—
Lost Black Mesa Placer Oct p27
Tiburon Island, Mexico Jun p4
Toles Elsis and Marriam Authors of
Toles, Elsie and Myriam, Authors of—
Toles, Elsie and Myriam, Authors of— We Learned About Birds by Feeding
Toles, Elsie and Myriam, Authors of— We Learned About Birds by Feeding Them Sep p27 Toles, Elsie and Myriam (Close-ups)
Toles, Elsie and Myriam, Authors of—  We Learned About Birds by Feeding  Them Sep p27  Toles, Elsie and Myriam (Close-ups)  Sep p28  Trail's Canyon Ney Dec. p4
Toles, Elsie and Myriam, Authors of—  We Learned About Birds by Feeding  Them Sep p27  Toles, Elsie and Myriam (Close-ups)  Sep p28  Trail's Canyon Ney Dec. p4
Toles, Elsie and Myriam, Authors of—  We Learned About Birds by Feeding  Them Sep p27  Toles, Elsie and Myriam (Close-ups)  Sep p28  Trail's Canyon, Nev. Dec p4  Travertine Palms, Calif. Jan p10  Trona Calif
Toles, Elsie and Myriam, Authors of—  We Learned About Birds by Feeding  Them Sep p27  Toles, Elsie and Myriam (Close-ups)  Sep p28  Trail's Canyon, Nev. Dec p4  Travertine Palms, Calif. Jan p10  Trona Calif
Toles, Elsie and Myriam, Authors of—  We Learned About Birds by Feeding  Them Sep p27  Toles, Elsie and Myriam (Close-ups)  Sep p28  Trail's Canyon, Nev. Dec p4  Travertine Palms, Calif. Jan p10  Trona Calif
Toles, Elsie and Myriam, Authors of—  We Learned About Birds by Feeding  Them Sep p27  Toles, Elsie and Myriam (Close-ups)  Sep p28  Trail's Canyon Ney Dec. p4

ov p17 ng p29 ny p42 ep p25 ny p42

Jan p9 eb p15 lar p23 pr p23

fay p4 in p21 ful p23

ug p2 Sep p4

ct p15

p23

ec p24

Jan

Feb

....Mar ....Apr n. May

...Jun Jul h Aug

...Nov

on, Dec ov p26

an pl3

in p12 in p10 lov p5

ig p20 ig p20

ov p24 Iar p9 Oct p9

eb p24
eb p26
People'
ul p16
un p28
ec p32
ug p25
ov p14

ct p17 issue

ep p13 y p32 Feb p5 ep p18

Apr p8 oct p16 oct p21 oct p14 an p18

pr p18

INE

Twin Buttes, Calif Mar p9
Unionville, NevadaMay p5
Unionville, NevadaMay p5
V
Vargas, Glenn Mar p9
Vinagre Wash, Calif. Sep p19
Virgin river, Utah Jan p4
Virgin, Thos. Ian p7
Von Dornum, Rae, Author of—
Life on the Desert Ian n8
Von Dornum, Rae (Close-ups) Jan p24
W
Walbrecht, Freda, Author of-
Through the Narrows to Zion Jan p4
Walbrecht, Freda (Close-ups) Jan p24
Walker, Carl and Margaret Aug p17
Walker, Lewis, Author of-When Wildings
Come to a Desert Water Hole Sep p22
Walpi, Ariz.  Aug p4 Walzer, Jacob  Jan p18, Mar p19
Waizer, Jacob Jan p18, Mar p19
Weight, Harold O., Author of— Crystal Roses of Eldorado
Crystal Roses of EldoradoAug p12
Gem Hunting with a Nevada
Indian Igener in the Whitness Inc. 12
Prospector Dec p14 Indian Jasper in the Whipples Jun p13 Lost Mule Shoe Gold Sep p18
Nature's Tumbled Gems at Pisgah Nov p5
Weight, Harold and Lucile (Close-ups)
Werner, Louise, Author of—
Atop Nevada's Highest Peak Dec p4
Trail to Keynot Summit Apr p14
Wetherill John and Louisa
Plaque in Memory of Sep p13 Whipple, Lieut. A. W. Jun p14
Whipple, Lieut. A. W. Jun p14
white Mountain Peak, Nev. Dec px
White Wash, Calif. Sen n19
Wiley, A. P. Mar p9
Wiley, A. P. Mar p9 Wiley's Well, Calif. Mar p9
Williams, Fred and Betty Lee (Close-ups)
Sen n28
Willow Spring Sep p20
COUNTY MADE

Wilson, Henry E. WJan	p10
Wilson, TomJul p17, Sep	p26
Wilton, Grace M. Author of—	P
Life on the Desert	n19
Wilton, Grace M. (Close-ups)Nov	n25
Winnemucca Mts., Nev. Dec	p31
Winters, Wayne (Close-ups) Feb	p26
Wiser, Jacob Jan	p18
Y	
Yarnell, Harry May Yuma, Ariz. Sep	p23
Yuma, Ariz. Sep	p25
Yuma Test Sta., Ariz. Ap	r p8
Z	
Zion Narrows, UtahJan	p4
Zion National Park, Utah Jan	p4
	•

## ANSWERS TO QUIZ

Questions are on page 26

-Mt. Whitney in California.

-Petroglyphs. 3-Paiutes.

-Dwelling.
-Salt River.

6—Yucca.

7—Mormon missionary.

8—Old mission near Tucson.

9—Arizona. 10—Ocotillo. 11—East.

-Cactus.

12—Cactus.
13—Mt. San Jacinto
14—National Park Service.
15—Uranium prospecting and mining.
16—Grinding meal.

-Arizona.

18-Highway or road.

19—Superstition Mountains. 20—George Wharton James.

## **COUNTY MAPS --- State of California**

For Offices, Realtors, Lumbermen, Sportsmen and Miners. With Township, Range, Section, Mines, Roads, Trails, Streams, Railroads, Elevation, National Forests, Power Lines, etc. The maps are white prints, well drafted, kept reasonably up-to-date always. Endeavor is made to produce best, accurate, serviceable map from most authentic data (TO ORDER: Place check mark in front of name or names of Maps desired)

_Alameda20x	30 \$1.25	Plumas33x40
Alpine17x	23 1.25	Plumas27x22
Amador20x3	30 1.25	Riverside27x98
Butte29x3	33 1.25	Riverside18x66
Calaveras21x3	31 1.25	Sacramento26x32
Colusa24x	25 1.25	San Benito 19x38
Contra Costa19x2	28 1.25	San Bernardino, No. 1/2 or So. 1/2
Del Norte24x2	25 1.25	San Bernardino_N.W. 1/4
Eldorado24x3	39 1.25	San Bernardino—S.W. 1/4
Fresno 28x	50 2.50	San Bernard'no-N.E. 1/4
Fresno42x7	75 5.00	San Bernardino—S.E. 1/4
Glenn 18x3	33 1.25	San Diego38x49
Humboldt20x3	36 1.25	San Diego 26x34
Humboldt30x5	56 2.50	San Francisco 36x40
mperial31x5	51 2.00	San Joaquin 22x34
nyo 67x9		San Luis Obispo 35x56
nyo, East and West Half, ea.	7.50	San Luis Obispo38x24
Kern	78 5.00	San Mateo20x32
Kern26x5		Santa Barbara 36x38
Kern18x3		Santa Barbara33x23
Cings27x2		Santa Clara25x33
_ake 24x3	36 1.25	Santa Cruz
assen		Shasta 34x49
assen38x5		Shasta 33x24
os Angeles	14 3.00	Sierra 16x31
os Angeles33x3	35 1.25	Siskiyou 39x62
Madera23x5		Siskiyou26x43
Marin23x2	24 1.25	Siskiyou
fariposa29x3	33 1.25	Solano 22x25
Mendocino36x4	18 2.50	Sonoma29x36
Mendocino24x3	30 1.25	Stanislaus 34x36
Merced34x3	36 1.25	Sutter 21x24
Modoc34x4	1 1.50	Tehama 26x48
Modoc28x2		Tehama
Mono23x6		Trinity
fonterey42x5		m-1-14 0004
Ionterey 28x3		Trinity
apa		Tulare38x49
Vevada 22x3		Tuolumne20x28
range23x2		Ventura 27x34
Placer 26x4		
		Yuba22x29

Most maps drawn to scale of  $V_2$  inch to the mile. Obtainable flat or folded Also Maps of OREGON, IDAHO and WASHINGTON

WORLD'S MINERALS 2417 San Pablo Avenue, Oakland 12, California TEmplebar 2-3870